

UTILITY PATENT APPLICATION TRANSMITTALAttorney Docket No. **8017-1120**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

To the Assistant Commissioner of Patents
Transmitted herewith for filing is the patent application of:

Inventors: **Norio OKADA**

Corresponding to **Japanese** Patent Application No. **2003-021956** filed on **January 30, 2003**, the entirety of which application is hereby expressly incorporated by reference in the accompanying application.

Title: **SEMICONDUCTOR DEVICE MANUFACTURING METHOD FOR IMPROVING ADHESIVITY OF COPPER METAL LAYER TO BARRIER LAYER**

Enclosed are:

- ☒ **13** Pages of Specification containing **12** claims
- ☒ **3** Sheets of formal Drawings ☒ Abstract of the Disclosure
- ☐ Submission of English translation of prior provisional application under 37 CFR 1.78(a)(5)
- ☒ Newly executed Oath or Declaration/Power of Attorney
- ☐ Copy of Oath or Declaration/Power of Attorney from a prior application (continuation/divisional)
- ☐ The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied as indicated in the preceding box, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☐ Deletion of inventor(s). A signed statement attached deleting inventor(s) named in the prior application (see 37 CFR 1.63 (d)(2) and 1.33(b))
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☒ Application Data Sheet under 37 C.F.R. § 1.76
- ☒ Assignment Papers (cover sheet & document(s))
- ☐ An assignment to _____ for parent application no. _____ was recorded on _____ at Reel _____, Frame _____
- ☒ Information Disclosure Statement (IDS) w/PTO-1449 - ☒ Copy of IDS citations
- ☐ Preliminary Amendment
- ☒ Itemized Return Receipt Postcard
- ☒ Certified Copy of Priority Document(s)
- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ paper
- c. ☐ Statement verifying identity of above copies
- ☐ Other Attachment: _____

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UTILITY PATENT APPLICATION TRANSMITTAL

(continued)

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If a CONTINUING APPLICATION, check appropriate box, and supply requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part of Prior Appln. #

Prior Application Information:

Examiner:

Tech Center:

CORRESPONDENCE INFORMATION**Customer Number: 00466**

Correspondence Address:

Young & Thompson
745 South 23rd Street, Second Floor
Arlington, VA 22202
Telephone (703) 521-2297

Facsimile (703) 979-4709

The filing fee has been calculated as follows:

FOR	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY		LARGE ENTITY	
			RATE	FEE	RATE	FEE
BASIC FEE				\$385.00		\$770.00
TOTAL CLAIMS	12 - 20 =	_____	\$9.00	\$_____	\$18.00	\$_____
INDEPENDENT CLAIMS	2 - 3 =	_____	\$43.00	\$_____	\$86.00	\$_____
MULTIPLE DEPENDENT CLAIM FEE			\$145.00	\$_____	\$290.00	\$_____
TOTAL SMALL ENTITY				\$_____		
			TOTAL LARGE ENTITY			\$770.00

- ☒ A Check in the amount of **\$810.00** to cover all fees is attached.
- ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to Deposit account No. 25-0120 in the name of Young & Thompson, as described below. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.



Benoit Castel, Reg. No. 35,041

745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297

BC/yr

Date: **January 16, 2004**